

Remarks

Applicant respectfully traverses and requests reconsideration.

Claims 20-32 have been amended. Independent claims 20-22 have been amended to incorporate language directed at, among other things, providing a digital display signal including the sets of gamma corrected data for multiple windows on a display. Applicant respectfully draws the Examiner's attention to page 2, lines 17-19 and page 3, lines 21-23, among other places of the present written description, to support the addition of these new claim limitations. Claims 23-24, 26-29 and 31-32 have been amended to provide proper antecedent bases for various claim terms. Similarly, claims 25 and 30 have been amended to further clarify the claimed subject matter directed at mapping values of the display information to values of the plurality of gamma corrected data using a gamma correction curve of the plurality of gamma correction curves. Lastly, new claims 33-35 incorporate the digital-to-analog converter and method of converting the sets of gamma corrected data from a digital format to an analog format as previously recited in claims 20-22, respectively.

Claims 20-32 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent 6,388,648 to Clifton et al. ("Clifton") in view of U.S. Patent 5,805,175 to Priem ("Priem"). Applicant respectfully repeats the relevant remarks made in the previous response in addition to the remarks made hereinafter. With respect to claim 20, Applicant respectfully submits that Clifton fails to teach or suggest, among other things, a gamma correction block "wherein the gamma correction block provides sets of gamma corrected data in response to the display information from a plurality of gamma correction curves selected by the gamma selection information, outputting a digital display signal including the sets of gamma corrected data for multiple windows on a display." (Emphasis added). Clifton appears to teach that a lookup table receives eight bits of R, G, and B digital input data and "converts it to corrected data values in accordance with the selected sets of lookup table values." (Col. 10, ll. 17-27) for display on a single display device having only one window. In other words, the output of the system does not correspond to a digital display signal including sets of gamma corrected data for multiple windows on a display. In the multi-screen embodiment of Clifton, each screen functions to display a portion of the overall display and thus still acts as a single window on a

single display. There is no contemplation of a method or circuits for providing gamma corrected data for multiple windows on a display.

Additionally, Applicant respectfully notes that no combination of Clifton and Priem teaches or suggests the use of a gamma correction block that provides sets of gamma corrected data and outputs a digital display signal including the sets of gamma corrected data for multiple windows on a display. In fact, Priem does not appear to be drawn to gamma correction systems and thus is silent as to this particular feature of the claim. For at least these reasons, claim 20 is in proper condition for allowance. If the Examiner maintains this rejection, Applicant respectfully requests a specific showing within Clifton and Priem demonstrating which column and line numbers teach or suggest the use of sets of gamma corrected data for multiple windows on a display.

With respect to independent claims 21 and 22, Applicant reasserts the relevant remarks made above with respect to claim 20 and notes that claims 21 and 22 are allowable for at least the same reasons as claim 20.

With respect to dependent claims 23-35, Applicant notes that each claim is dependent upon an allowable base claim and is submitted for allowance for at least the same reasons as stated above. Additionally, Applicant submits that each claim contains novel, nonobvious and patentable subject matter. For instance, claim 25 is drawn toward at least one gamma correction lookup table within the gamma correction block where the at least one lookup table stores a plurality of gamma corrected data corresponding to a plurality of gamma correction curves and wherein the set of gamma corrected data from the at least one lookup table is provided by mapping the received display information to values of the plurality of gamma corrected data using a gamma correction curve.

Applicant respectfully submits that Clifton fails to teach or suggest this combination. For instance, while the Office Action references column 10, lines 24-27 and 35-40 of Clifton, the cited portion appears to teach two separate and non-compatible systems. The first system is a digital embodiment where R, G, and B data are supplied in a digital format. Upon receipt, the first system uses lookup tables to select sets of data without reference to mapping. In contrast,

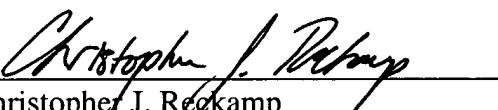
the second system is an analog embodiment where analog R, G and B voltages are received by a gamma corrector and adjusted using a nonlinear gain function. The gamma corrector does not appear to be a lookup table as the claims require. As is understood, lookup tables utilize memory to store, among other things, data for access. The Clifton reference does not appear to describe the gamma corrector using this structure. In fact, Clifton appears to be silent as to the structure of the gamma corrector and merely describes its function. Applicant respectfully notes that neither system individually or together teach or suggest the claimed subject matter required by claim 25 because one is directed at data stored without reference to mapping while the other system does not appear to utilize a lookup table. For the reasons stated above, no combination of Clifton or Priem teaches or suggests the subject matter of claims 23-35. If the Examiner maintains this rejection, Applicant respectfully requests a showing providing the column and line numbers of Clifton and Priem that teach or suggest the claimed subject matter.

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Accordingly, Applicant respectfully submits that the claims are in condition for allowance. The Examiner is invited to contact the below-listed attorney if the Examiner believes that a telephone conference will advance the prosecution of this application.

Respectfully submitted,

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